

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/002739

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12Q1/48 G01N33/68 C12Q1/42

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12Q G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, EMBASE, BIOSIS, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>MEIJER L ET AL: "INHIBITION OF CYCLIN-DEPENDENT KINASES, GSK-3SS AND CK1 BY HYMENIALDISINE, A MARINE SPONGE CONSTITUENT"</p> <p>CHEMISTRY AND BIOLOGY, CURRENT BIOLOGY, LONDON, GB, vol. 7, no. 1, January 2000 (2000-01), pages 51-63, XP000901413</p> <p>ISSN: 1074-5521</p> <p>abstract</p> <p>page 51, column 1, line 1 - column 2, line 9</p> <p>page 52, column 1, line 23 - page 53, column 2, line 1; table 1</p> <p>page 59, column 1, line 45 - page 60, column 1, line 9</p> <p style="text-align: center;">----- -/--</p>	1-48,51

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

3 December 2004

Date of mailing of the international search report

13/01/2005

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PCT/GB2004/002739

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KURET JEFF ET AL: "Casein kinase 1 is tightly associated with paired-helical filaments isolated from Alzheimer's disease brain" JOURNAL OF NEUROCHEMISTRY, vol. 69, no. 6, December 1997 (1997-12), pages 2506-2515, XP002308829 ISSN: 0022-3042 abstract page 2507, column 1, lines 44-60 the whole document	44-48
X	US 6 057 117 A (RING DAVID B ET AL) 2 May 2000 (2000-05-02)	51
Y	column 1, lines 16-24 column 1, line 65 - column 2, line 14 column 2, lines 52-61 column 3, line 3 - column 4, line 58 column 5, line 50 - column 6, line 53	1-43, 49, 50
Y	SINGH T J ET AL: "PHOSPHORYLATION OF TAU PROTEIN BY CASEIN KINASE-1 CONVERTS IT TO ANABNORMAL ALZHEIMER-LIKE STATE" JOURNAL OF NEUROCHEMISTRY, NEW YORK, NY, US, vol. 64, no. 3, 1995, pages 1420-1423, XP000886450 ISSN: 0022-3042 the whole document	1-43
Y	LEE G ET AL: "Tyrosine phosphorylation of tau" SOCIETY FOR NEUROSCIENCE ABSTRACTS, vol. 27, no. 1, 2001, page 1436, XP002308830 & 31ST ANNUAL MEETING OF THE SOCIETY FOR NEUROSCIENCE; SAN DIEGO, CALIFORNIA, USA; NOVEMBER 10-15, 2001 ISSN: 0190-5295 the whole document	49, 50
X	WO 95/19178 A (RES FOUND MENTAL HYGIENE) 20 July 1995 (1995-07-20) page 1, lines 8-14 page 9, lines 9-23 page 17 - page 21 ----- -/--	52

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International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	TROJANOWSKI JOHN Q ET AL: "Phosphorylation of paired helical filament tau in Alzheimer's disease neurofibrillary lesions: Focusing on phosphatases" FASEB JOURNAL, vol. 9, no. 15, 1995, pages 1570-1576, XP002308831 ISSN: 0892-6638 the whole document	52
A	LARNER A J: "Tau protein as a therapeutic target in Alzheimer's disease and other neurodegenerative disorders" EXPERT OPINION ON THERAPEUTIC PATENTS 1999 UNITED KINGDOM, vol. 9, no. 10, 1999, pages 1359-1370, XP002308832 ISSN: 1354-3776 the whole document	1-52
A	CASTRO A ET AL: "Inhibition of tau phosphorylation: A new therapeutic strategy for the treatment of Alzheimer's disease and other neurodegenerative disorders" EXPERT OPINION ON THERAPEUTIC PATENTS 2000 UNITED KINGDOM, vol. 10, no. 10, 2000, pages 1519-1527, XP008039626 ISSN: 1354-3776 the whole document	1-52
A	SINGH TOOLSSE J ET AL: "Non-proline-dependent protein kinases phosphorylate several sites found in tau from Alzheimer disease brain" MOLECULAR AND CELLULAR BIOCHEMISTRY, vol. 154, no. 2, 1996, pages 143-151, XP008039649 ISSN: 0300-8177 the whole document	1-52
A	RODER HANNO M: "Prospect of therapeutic approaches to tauopathies." JOURNAL OF MOLECULAR NEUROSCIENCE, vol. 20, no. 2, April 2003 (2003-04), pages 197-201, XP008039739 ISSN: 0895-8696 the whole document	1-52

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6057117	A	02-05-2000	US 6057286 A	02-05-2000
WO 9519178	A	20-07-1995	AU 1831195 A	01-08-1995
			WO 9519178 A1	20-07-1995
			US 2003165575 A1	04-09-2003